

REMARKS

In reply to the Office Action of January 2, 2004, the applicant submits the following remarks. Claims 1, 2, 5, 8, 10, 12-16, 20, 22-24, 27, 29-31, 34, 36, 37, 41, 42, 44, 46, 52, 53, 58 and 59 have been amended. Claims 9, 11, 19, 21, 26, 28, 35, 39, 40, 50 and 51 have been cancelled. Claims 62-64 are new. No new matter has been added. Claims 1-8, 10, 12-18, 20, 22-25, 27, 29-34, 36-38, 40-49 and 52-64 are now pending after entry of this amendment. The applicant respectfully requests reconsideration in view of the foregoing amendments and these remarks.

Section 102 Rejections

Claims 1-4, 25, 26, 33, 38-42 and 46-53 were rejected under 35 U.S.C. 102(b) as allegedly being anticipated by Berggren, M. et al "Organic Solid-State Lasers with Imprinted Gratings on Plastic Substrates", January 1998, Applied Physics Letter 72 (4) pp. 410-411 ("Berggren"). The applicant respectfully disagrees.

Amended claim 1 recites a method of patterning a device layer on a substrate. The device layer is patterned by pressing a stamp having protrusions on its surface against the substrate and the device layer. The protrusions have a height that is greater than a thickness of the device layer.

Berggren teaches an imprinting method for forming a grating for a laser (Abstract). To form the grating, a 4 micron thick BCB film is pressed against a mold having grooves (page 410, column 1, paragraph 4). The grooves in the mold are about 100 nm deep (*id.*). Thus, the height of the grooves in the mold are about forty times smaller than the thickness of the BCB film.

Berggren does not suggest or disclose patterning a device layer by pressing a stamp comprising a pattern against the substrate and the device layer, where the pattern includes protrusions on a surface of the stamp, the protrusions having a height that is greater than a thickness of the device layer, as required by claim 1. Rather, Berggren teaches pressing grooves into a film where the grooves have a depth that is less than the thickness of the film. For at least this reason, Berggren fails to anticipate claim 1. Claims 41-42, 46-49, and 52-53 depend directly

or indirectly from claim 1 and are similarly not anticipated. Amended claim 2 recites a method including the step described above that is required by claim 1. Claim 2 is therefore similarly not anticipated by Berggren. Further, amended claim 2 recites that the device being fabricated by the method is an organic LED, where Berggren describes forming a grating for a laser. Claim 2 is also not anticipated for this additional reason. Claims 3-4, 25, 32, 33 and 38 depend directly or indirectly from claim 2 and are similarly not anticipated.

Claim Objections

Claims 5-8, 10, 12-18, 20, 22-24, 27, 29-31, 34, 36-37 and 43-45 were objected to. The applicant submits that these claims depend directly or indirectly from allowable claims. For at least this reason, the applicant submits that these claims are allowable as written. In addition, claims 5 and 27 have been amended to be in independent form, such that these claims include the limitations of the claims from which they depend.

Allowable Subject Matter

The applicant thanks the Examiner for finding that claims 54-61 are allowable over the prior art references presently of record. The applicant would like to note that in addition to the reasons indicated by the Examiner, other reasons for patentability may exist.

New Claims

Claims 62-64 have been added. Claim 62 depends from allowed claim 54 and for this reason the applicant submits that claim 62 is similarly allowable. Claim 63 and 64 depended from amended claim 2 and the applicant submits that claims 63 and 64 are similarly allowable.

Applicant : Guenther et al.
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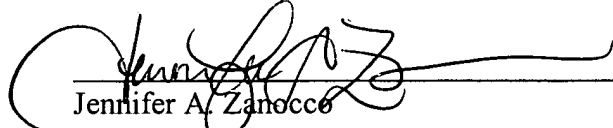
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A check for \$172 has been included for excess claims. If there are any additional charges or credits, please apply them to deposit account 06-1050.

Respectfully submitted,

Date:

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